BRUHAT BANGALORE MAHANAGARA PALIKE
YELAHANKA ZONE

Name of work: Detailed Estimate for the Work of Improvements to Roads and Drains of Ambedkar Colony Cross Road Dasarahalli in Ward No.6 Byatarayanapura Sub Division

		Estimate Cost Rs.						3000000.00	
Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
1	KSRB 2-2.1 : earth work excavation for foundation of buildings, culverts water supply, sanitary line and electrical conduits either in pits or in trenches 1.5m and above in width, in **Hard soil** not exceeding 1.5m, in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50m, after breaking of clods complete as per specifications, specification, No, KBS 2.1(a) / 2.3.5, No. 5/ Item No. 2.4/ PWD SR 2015-16	Cum							
	Ambedakar Colony Cross Road		1	150.00	0.90	0.75	101.25		
			1	180.00	0.90	0.75	121.50		
			1	70.00	0.90	0.75	47.25		
			1	30.00	0.90	0.75	20.25		
			1	30.00	0.90	0.75	20.25		
			1	20.00	0.90	0.75	13.50		
			1	50.00	0.90	0.75	33.75		
							357.75	288.36	**103161.00**
	Basic Rate	267.00							
	Area Weightage @ 8%	21.36							
	Total	**288.36**							
2	KSRB-4-1.3 : Providing and laying in position **plain cement concrete of mix M 1:4:8** withOPC cement at 180kgs, with 40mm and down size graded granite metal coarse aggregates @0.892cum and fine aggregates @0.57cum machine mixed, concrete laid in layers not, exceeding 15cms, thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1,4.2, No. 12/ Item No. 4.3/ PWD SR 2015-16	**Cum**							
	Ambedakar Colony Cross Road		1	150.00	0.90	0.15	20.25		
			1	180.00	0.90	0.15	24.30		
			1	70.00	0.90	0.15	9.45		
			1	30.00	0.90	0.15	4.05		
			1	30.00	0.90	0.15	4.05		
			1	20.00	0.90	0.15	2.70		
			1	50.00	0.90	0.15	6.75		
							71.55	5070.60	**362801.00**
	Basic Rate	4695.00							
	Area Weightage @ 8%	375.60							
	Total	**5070.60**							

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
3	KSRB 4-6.7 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for sides and soffits of beams, beam haunchings, cantilever girders, bressumers and lintels not exceeding 1 m in depth including cost of all materials, labour complete as per specifications. Specification NO KBS 4.6.2 Page No. 16/ Item No. 4.34/ PWD SR 2015-16	Sqm							
	For CC Drain		1X4	150.00	0.60		360.00		
			1X4	180.00	0.60		432.00		
			1X4	70.00	0.60		168.00		
			1X4	30.00	0.60		72.00		
			1X4	30.00	0.60		72.00		
			1X4	20.00	0.60		48.00		
			1X4	50.00	0.60		120.00		
							1272.00	**270.00**	**343440.00**
	Basic Rate	**250.00**							
	Area Weightage @ 8%	20.00							
	Total	**270.00**							
4	KSRB 4.2.2 : Providing and laying in position plain cement concrete of mix **M20** withOPC cement @ 320kgs, with 20mm and down size graded granite metal coarse aggregates @0.878cum and fine aggregates @0.459cum with superplastesisre @ 3lts conforming to IS9103-1999Reffirmed machine mixed exceeding 15cms thick, vibrated for all works in foundation plinth and ground floor level for roof slabs, staircase, lintels, retaining walls, return walls, walls(any thickness) including attached plasters, columns, piers, abutments, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window cills, fillets etc, including cost of all materials, labour HOM of machinery, curing, complete as per specifications. Specification. No. KBS 4.1,4.6, **No. KBS 4.1,4.6, No. 13/ Item No. 4.11/ PWD SR 2015-16**	Cum							
	For CC Drain Bottom		1	150.00	0.90	0.10	13.50		
			1	180.00	0.90	0.10	16.20		
			1	70.00	0.90	0.10	6.30		
			1	30.00	0.90	0.10	2.70		
			1	30.00	0.90	0.10	2.70		
			1	20.00	0.90	0.10	1.80		
			1	50.00	0.90	0.10	4.50		
	Side Walls		1X2	150.00	0.15	0.60	27.00		
			1X2	180.00	0.15	0.60	32.40		
			1X2	70.00	0.15	0.60	12.60		
			1X2	30.00	0.15	0.60	5.40		
			1X2	30.00	0.15	0.60	5.40		
			1X2	20.00	0.15	0.60	3.60		
			1X2	50.00	0.15	0.60	9.00		
							143.10	6198.12	**886951.00**
	Basic Rate	5739.00							

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
	Area Weightage @ 8%	459.12							
	Total	**6198.12**							
5	KSRB 4.9.2:providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost pf materials, labour, HOM of machinery complete as per specifications.Specification No. KBS 4.6.3 Page No. 17/ Item No. 4.46.2/ PWD SR 2015-16	~~Qtl~~ MT							
	0.90 Ton/Cum		0.084	143.10			**12.02**	69805.80	**839094.00**
	Basic Rate	64635.00							
	Area Weightage @ 8%	5170.80							
	Total	**69805.80**							
21	Precast slab 20mm and down size for slab (including steel reinforcement) including centring and shutterng machine mixed concrete laid in layers not exceeding 15cms thick well compacted cost of all materials labour HOM of machineries curing complete as per specifications c.c 1:1.5:3 Including all cost of Matirial (DATA RATE ENCLOSED) 10cm thick RCC pre cast slab	Sqm							
	For CC Drain		1	168.00	0.90		151.20		
							151.20	1856.67	**280729.00**
	Data Rate	**1856.67**							
6	Lead for Disposal of Debris shall be payable at carage rates by Mechanical means inlcuding loading and unloading. From 0.00 to 2.00 Km (Page No.123,	Cum							
			Qty. Vide Item No. 1				**357.75**		
							357.75	67.32	**24084.00**
	Basic Rate Lead Charges Upto 2.00 Kms	5.12							
	PWD SR 2010-11 (P.118/I.17.1) For loading	62.20							
	Total	**67.32**							
	Pipe Line								
7	Earthwork excavation for foundation of buildings, water supply, sanitary lines and electrical conduits either in pits or in trenches 1.5m and above in width, in hard soil not exceeding 1.5 m in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50m after breaking of clods complete as per specifications (P.NO - 5, I.NO - 2.4, PWD SR 15-16)	Cum							
			1	260.00	0.60	0.75	**117.00**		
							117.00	223.66	**26168.00**
	Basic Rate	276							
	6% area weightage	16.56							

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
	Total	292.56							
8	Providing and installing at site of work 63mm (0.662) PVC Pipes of 6 kg / cm2 including cost of pipes and specials and labour, including lowering into trenches, laying true to line, level and perfect linking at joints leak proof including jointing of approved type with all labour and lift charges, handling charges including encasing the pipe alround to a depth not less than 15cms with gravel or selected earth available from the excavation etc., complete (P.NO - 102, I.NO - 13.73.1,	Mtr							
			1	260.00			**260.00**		
							260.00	366.76	**95358.00**
	Basic Rate	346.00							
	6% area weightage	**20.76**							
	Total	366.76							
9	Refilling available earth around pipe lines, cables in layers not exceeding 20cms in depth, compacting each deposited layer by ramming after watering with lead upto 50m and lift upto 1.5m including cost of all labour complete as per specifications (P.NO - 6, I.NO - 2.11, PWD SR 15-16)	Cum							
			1	260.00	0.60	0.75	**117.00**		
							117.00	59.36	**6945.00**
	Basic Rate	72.00							
	6% area weightage	**4.32**							
	Total	76.32							
							Grand Total		**2968731.00**
10	For 1% Third Party Inspection Charges								**29687.00**
11	Miscesallaneous Charges	L/S							1582
								Total	**3000000.00**

Rupees Thirty Lakh(s) Only

CERTIFICATE

1 The work spot has been inspected and the work is found necessary.
2 This estimate is prepared as per PWD SR of 2014-15
3 The provisions were made in this estimate are necessary and adequate.
4 This works come under B.B.M.P. limits.

Executive Engineer
Byatarayanapura Division
BBMP, Bangalore-92
7/12/15

Assistant Engineer

Assistant Executive Engineer

Executive Engineer
Byatarayanapura Division
Bruhat Bangalore Mahanagara Palike

Technical Sanction
Accorded For ..30.00 Lakhs
Head of A/C..P-3075.....
CER NO :..04..... Dt:26.12.2015

Superintending Engineer I/C
Yelahanka Zone
BBMP, Bangalore-92

Administrative Approval
Accorded For ..30.00 Lakhs
Head of A/C..P3075.....
NO :..53..... Dt:..14.12.15

TA CE (YNK)

Name of Wrok: Improvements to Roads and Drains of Ambedkar Colony Cross Road Dasarahalli in Ward No.6 Byatarayanapura Sub Division

N

4

Ambedker Colony Cross Roads.

PROPOSED R.C.C. DRAIN

PROPOSED PVC Pipeline

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ಬ್ಯಾಟರಾಯನಪುರ ಉಪ ವಿಭಾಗ

30/10/2015

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಬ್ಯಾಟರಾಯನಪುರ ಉಪ ವಿಭಾಗ
ಬಿಬಿಎಂಪಿ, ಬೆಂಗಳೂರು-24